LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Title : SVOA CALIBRATION

Signal : TIC: BG049985.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.772 | 122 | 125 | 131 | rBV4 | 7620 | 12286 | 1.29% | 0.102% |
| 2 | 3.872 | 137 | 142 | 148 | rVB | 12576 | 21191 | 2.22% | 0.176% |
| 3 | 3.984 | 159 | 161 | 168 | rVB4 | 3605 | 6451 | 0.68% | 0.053% |
| 4 | 7.138 | 692 | 698 | 712 | rVB | 63929 | 118522 | 12.43% | 0.982% |
| 5 | 7.291 | 716 | 724 | 732 | rBV | 44223 | 77415 | 8.12% | 0.641% |
| 6 | 7.503 | 752 | 760 | 768 | rBV2 | 60878 | 110862 | 11.62% | 0.918% |
| 7 | 7.967 | 831 | 839 | 847 | rBV | 126638 | 211503 | 22.17% | 1.752% |
| 8 | 8.689 | 956 | 962 | 972 | rBV2 | 67048 | 121889 | 12.78% | 1.010% |
| 9 | 9.136 | 1032 | 1038 | 1046 | rBV | 65005 | 119873 | 12.57% | 0.993% |
| 10 | 9.864 | 1155 | 1162 | 1171 | rBV | 59634 | 111499 | 11.69% | 0.924% |
| 11 | 10.416 | 1249 | 1256 | 1263 | rBV | 79974 | 148220 | 15.54% | 1.228% |
| 12 | 10.557 | 1275 | 1280 | 1287 | rBV5 | 11947 | 28785 | 3.02% | 0.238% |
| 13 | 10.786 | 1312 | 1319 | 1325 | rBV | 165421 | 297601 | 31.20% | 2.465% |
| 14 | 10.839 | 1325 | 1328 | 1334 | rVB | 13286 | 21357 | 2.24% | 0.177% |
| 15 | 10.927 | 1337 | 1343 | 1352 | rBV2 | 49316 | 98901 | 10.37% | 0.819% |
| 16 | 12.455 | 1596 | 1603 | 1610 | rVB2 | 14630 | 24095 | 2.53% | 0.200% |
| 17 | 12.672 | 1634 | 1640 | 1645 | rBV2 | 12392 | 19384 | 2.03% | 0.161% |
| 18 | 13.436 | 1764 | 1770 | 1772 | rBV | 3692 | 5905 | 0.62% | 0.049% |
| 19 | 13.794 | 1826 | 1831 | 1834 | rBV5 | 5898 | 11421 | 1.20% | 0.095% |
| 20 | 13.947 | 1852 | 1857 | 1862 | rBV3 | 15397 | 27152 | 2.85% | 0.225% |
| 21 | 14.029 | 1862 | 1871 | 1877 | rVV | 161930 | 259723 | 27.23% | 2.152% |
| 22 | 14.094 | 1877 | 1882 | 1887 | rVV3 | 3610 | 6305 | 0.66% | 0.052% |
| 23 | 14.188 | 1891 | 1898 | 1901 | rVV3 | 7821 | 14524 | 1.52% | 0.120% |
| 24 | 14.323 | 1913 | 1921 | 1933 | rBV | 172049 | 304116 | 31.88% | 2.519% |
| 25 | 14.628 | 1964 | 1973 | 1980 | rBV | 267601 | 410206 | 43.01% | 3.398% |
| 26 | 14.693 | 1980 | 1984 | 1991 | rVB5 | 9627 | 16164 | 1.69% | 0.134% |
| 27 | 14.863 | 2003 | 2013 | 2025 | rBV4 | 33259 | 80170 | 8.41% | 0.664% |
| 28 | 15.028 | 2036 | 2041 | 2047 | rVB2 | 26610 | 42974 | 4.51% | 0.356% |
| 29 | 15.104 | 2049 | 2054 | 2058 | rBV3 | 7435 | 10402 | 1.09% | 0.086% |
| 30 | 15.245 | 2072 | 2078 | 2083 | rBV3 | 6914 | 12463 | 1.31% | 0.103% |
| 31 | 15.298 | 2083 | 2087 | 2091 | rBV3 | 5204 | 7262 | 0.76% | 0.060% |
| 32 | 15.415 | 2100 | 2107 | 2109 | rBV4 | 7129 | 12445 | 1.30% | 0.103% |
| 33 | 15.457 | 2111 | 2114 | 2119 | rVB3 | 6997 | 10990 | 1.15% | 0.091% |
| 34 | 15.621 | 2132 | 2142 | 2147 | rBV | 221170 | 338366 | 35.47% | 2.803% |
| 35 | 15.674 | 2147 | 2151 | 2161 | rVB4 | 27792 | 44953 | 4.71% | 0.372% |
| 36 | 15.756 | 2161 | 2165 | 2172 | rBV | 53561 | 85529 | 8.97% | 0.709% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
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Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.974 | 2195 | 2202 | 2208 | rVB | 21869 | 33094 | 3.47% | 0.274% |
| 38 | 16.120 | 2222 | 2227 | 2235 | rVB | 20896 | 40131 | 4.21% | 0.332% |
| 39 | 16.326 | 2255 | 2262 | 2264 | rBV2 | 12481 | 20000 | 2.10% | 0.166% |
| 40 | 16.349 | 2264 | 2266 | 2272 | rVB5 | 14693 | 20500 | 2.15% | 0.170% |
| 41 | 16.690 | 2312 | 2324 | 2328 | rBV7 | 10758 | 28053 | 2.94% | 0.232% |
| 42 | 16.731 | 2328 | 2331 | 2337 | rVB3 | 4309 | 7287 | 0.76% | 0.060% |
| 43 | 16.913 | 2356 | 2362 | 2365 | rBV3 | 15306 | 24876 | 2.61% | 0.206% |
| 44 | 16.949 | 2366 | 2368 | 2371 | rVB3 | 7536 | 8180 | 0.86% | 0.068% |
| 45 | 17.037 | 2377 | 2383 | 2388 | rBV | 36751 | 57326 | 6.01% | 0.475% |
| 46 | 17.113 | 2391 | 2396 | 2402 | rVV4 | 17550 | 32647 | 3.42% | 0.270% |
| 47 | 17.178 | 2402 | 2407 | 2408 | rVV4 | 5343 | 7690 | 0.81% | 0.064% |
| 48 | 17.201 | 2408 | 2411 | 2419 | rVB | 23068 | 33849 | 3.55% | 0.280% |
| 49 | 17.383 | 2435 | 2442 | 2445 | rBV | 286235 | 445388 | 46.69% | 3.690% |
| 50 | 17.424 | 2445 | 2449 | 2454 | rVB | 437066 | 624352 | 65.46% | 5.172% |
| 51 | 17.477 | 2454 | 2458 | 2462 | rBV | 204883 | 296154 | 31.05% | 2.453% |
| 52 | 17.565 | 2469 | 2473 | 2480 | rVB8 | 8540 | 14059 | 1.47% | 0.116% |
| 53 | 17.789 | 2502 | 2511 | 2515 | rBV2 | 28121 | 52450 | 5.50% | 0.435% |
| 54 | 17.859 | 2520 | 2523 | 2526 | rVB4 | 8484 | 9490 | 0.99% | 0.079% |
| 55 | 17.900 | 2526 | 2530 | 2534 | rVB | 11420 | 16963 | 1.78% | 0.141% |
| 56 | 17.971 | 2537 | 2542 | 2549 | rVB5 | 15426 | 28445 | 2.98% | 0.236% |
| 57 | 18.030 | 2549 | 2552 | 2555 | rBV3 | 5050 | 6594 | 0.69% | 0.055% |
| 58 | 18.077 | 2555 | 2560 | 2563 | rBV5 | 3756 | 8081 | 0.85% | 0.067% |
| 59 | 18.188 | 2575 | 2579 | 2582 | rBV3 | 6800 | 8812 | 0.92% | 0.073% |
| 60 | 18.259 | 2585 | 2591 | 2595 | rVV | 66620 | 99341 | 10.41% | 0.823% |
| 61 | 18.306 | 2595 | 2599 | 2605 | rVB | 93688 | 130882 | 13.72% | 1.084% |
| 62 | 18.388 | 2610 | 2613 | 2617 | rVB3 | 15685 | 22449 | 2.35% | 0.186% |
| 63 | 18.453 | 2617 | 2624 | 2628 | rBV2 | 77037 | 147951 | 15.51% | 1.226% |
| 64 | 18.488 | 2628 | 2630 | 2636 | rVB | 49897 | 63580 | 6.67% | 0.527% |
| 65 | 18.558 | 2638 | 2642 | 2647 | rBV8 | 11256 | 21305 | 2.23% | 0.176% |
| 66 | 18.605 | 2647 | 2650 | 2655 | rBV4 | 6622 | 9157 | 0.96% | 0.076% |
| 67 | 18.652 | 2655 | 2658 | 2660 | rVB4 | 5809 | 6439 | 0.68% | 0.053% |
| 68 | 18.699 | 2662 | 2666 | 2670 | rBV6 | 4793 | 7838 | 0.82% | 0.065% |
| 69 | 18.752 | 2670 | 2675 | 2679 | rBV | 51278 | 77445 | 8.12% | 0.642% |
| 70 | 18.805 | 2679 | 2684 | 2691 | rVB2 | 67756 | 99547 | 10.44% | 0.825% |
| 71 | 19.005 | 2714 | 2718 | 2721 | rVV4 | 16566 | 20768 | 2.18% | 0.172% |
| 72 | 19.052 | 2723 | 2726 | 2729 | rVB2 | 12900 | 16744 | 1.76% | 0.139% |
| 73 | 19.087 | 2729 | 2732 | 2737 | rVB4 | 13939 | 22361 | 2.34% | 0.185% |
| 74 | 19.175 | 2742 | 2747 | 2753 | rBV4 | 39560 | 76041 | 7.97% | 0.630% |
| 75 | 19.316 | 2766 | 2771 | 2777 | rVB2 | 51019 | 86732 | 9.09% | 0.719% |
| 76 | 19.439 | 2786 | 2792 | 2798 | rVB | 683231 | 953833 | 100.00% | 7.902% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 19.533 | 2805 | 2808 | 2813 | rVB3 | 19703 | 27190 | 2.85% | 0.225% |
| 78 | 19.586 | 2813 | 2817 | 2822 | rBV | 19589 | 36599 | 3.84% | 0.303% |
| 79 | 19.639 | 2823 | 2826 | 2829 | rVB3 | 15137 | 17837 | 1.87% | 0.148% |
| 80 | 19.768 | 2843 | 2848 | 2851 | rBV2 | 308318 | 525861 | 55.13% | 4.356% |
| 81 | 19.804 | 2851 | 2854 | 2860 | rVV | 500307 | 665897 | 69.81% | 5.517% |
| 82 | 19.868 | 2861 | 2865 | 2871 | rVB2 | 40318 | 62175 | 6.52% | 0.515% |
| 83 | 19.974 | 2879 | 2883 | 2888 | rVB | 41053 | 64821 | 6.80% | 0.537% |
| 84 | 20.127 | 2902 | 2909 | 2916 | rBV4 | 43237 | 116154 | 12.18% | 0.962% |
| 85 | 20.256 | 2925 | 2931 | 2933 | rBV5 | 37938 | 69099 | 7.24% | 0.572% |
| 86 | 20.285 | 2933 | 2936 | 2944 | rVB | 70670 | 114840 | 12.04% | 0.951% |
| 87 | 20.391 | 2950 | 2954 | 2957 | rBV | 29886 | 38545 | 4.04% | 0.319% |
| 88 | 20.450 | 2957 | 2964 | 2968 | rVV3 | 54310 | 105678 | 11.08% | 0.875% |
| 89 | 20.591 | 2985 | 2988 | 2991 | rBV | 27464 | 28656 | 3.00% | 0.237% |
| 90 | 20.632 | 2993 | 2995 | 3001 | rVB3 | 32956 | 40355 | 4.23% | 0.334% |
| 91 | 21.055 | 3063 | 3067 | 3072 | rVB | 74095 | 108043 | 11.33% | 0.895% |
| 92 | 21.231 | 3093 | 3097 | 3101 | rBV2 | 40960 | 63951 | 6.70% | 0.530% |
| 93 | 21.278 | 3102 | 3105 | 3109 | rVB2 | 34267 | 45062 | 4.72% | 0.373% |
| 94 | 21.384 | 3120 | 3123 | 3132 | rVB | 70378 | 122866 | 12.88% | 1.018% |
| 95 | 21.648 | 3160 | 3168 | 3173 | rBV3 | 353702 | 903860 | 94.76% | 7.488% |
| 96 | 21.701 | 3173 | 3177 | 3188 | rVB | 263623 | 451109 | 47.29% | 3.737% |
| 97 | 23.863 | 3536 | 3545 | 3551 | rBV | 177684 | 577923 | 60.59% | 4.788% |
| 98 | 24.726 | 3687 | 3692 | 3702 | rVB | 114924 | 303945 | 31.87% | 2.518% |
| 99 | 24.885 | 3710 | 3719 | 3727 | rVB2 | 147002 | 394230 | 41.33% | 3.266% |
| 100 | 28.568 | 4340 | 4346 | 4363 | rVB3 | 61915 | 248389 | 26.04% | 2.058% |

Sum of corrected areas: 12070823

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
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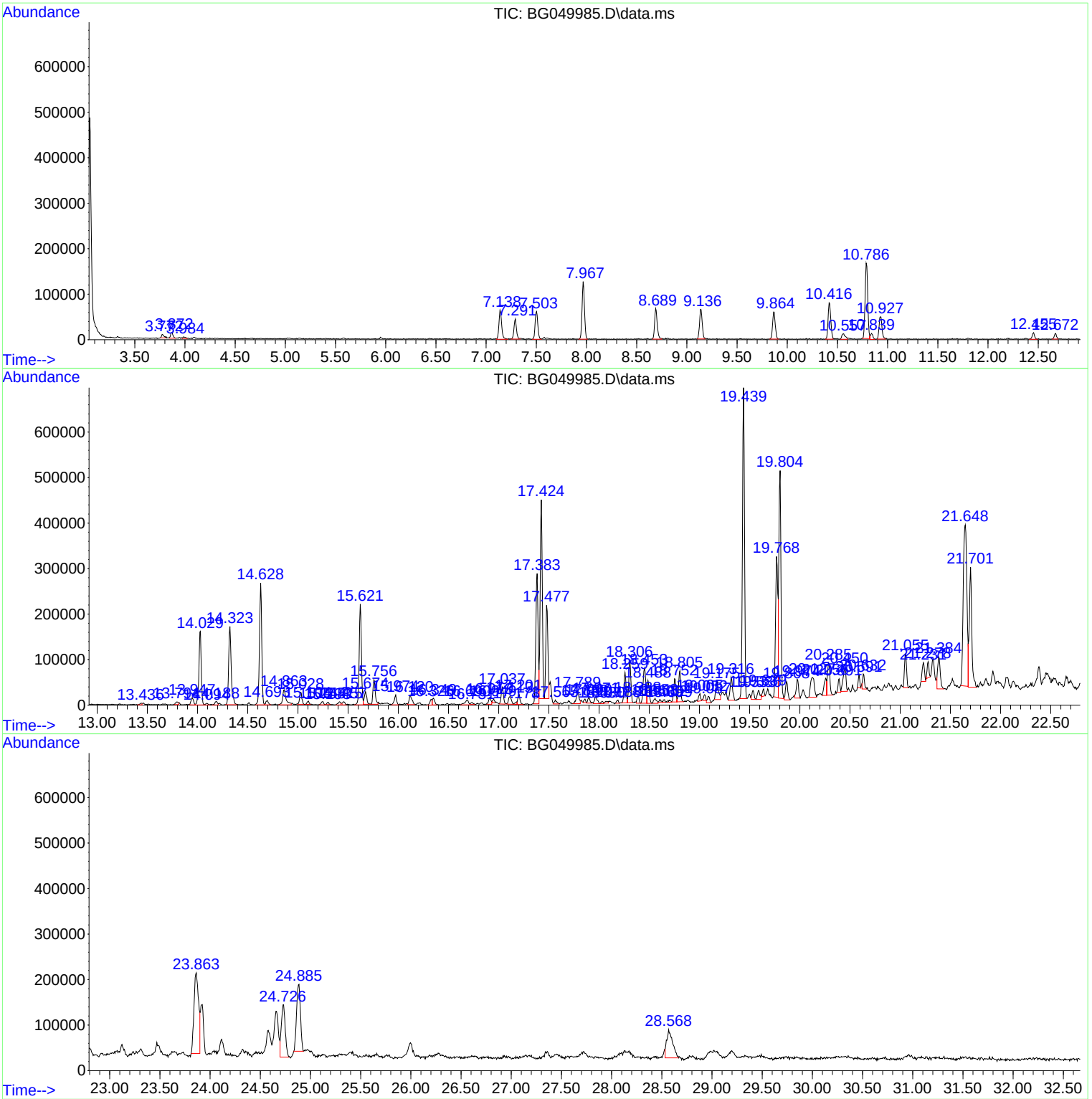
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

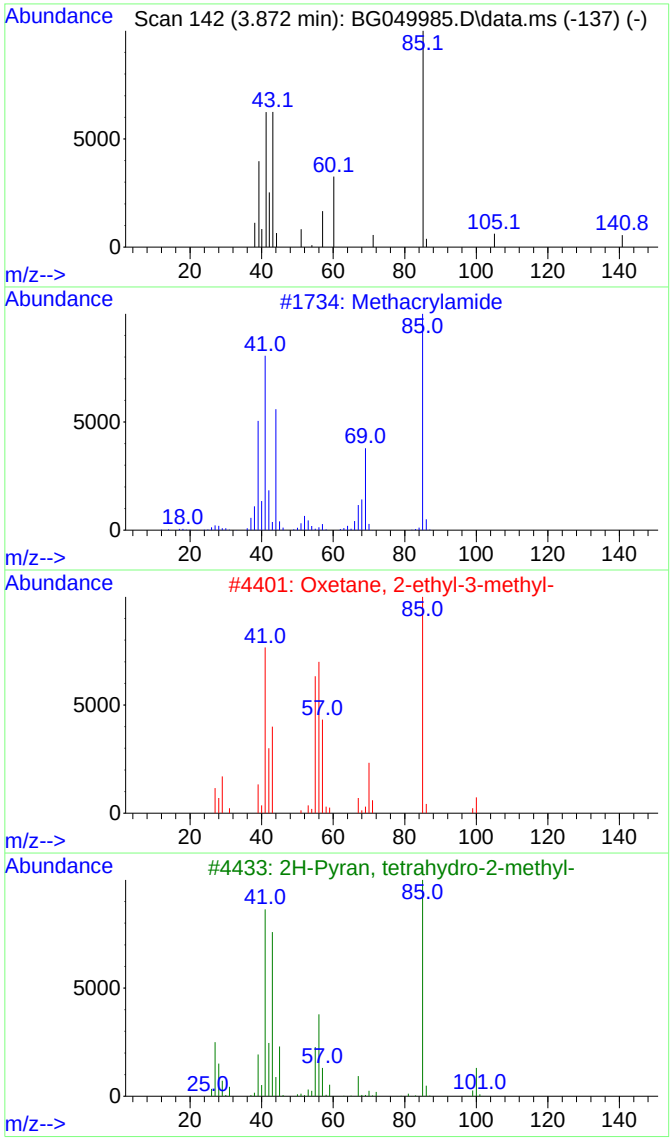
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

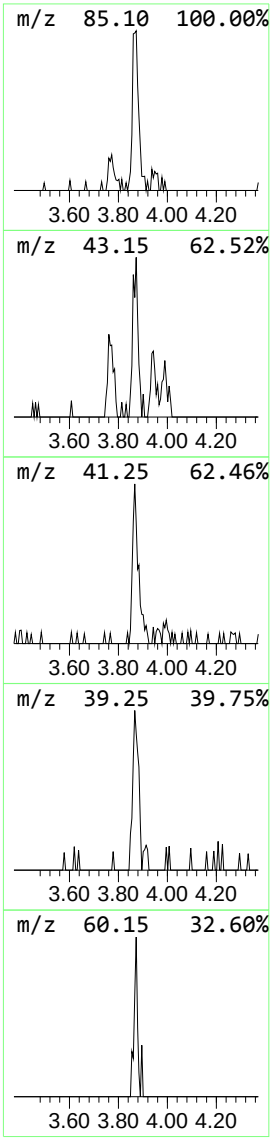
**********

Peak Number 1 Methacrylamide Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.872 | 2.00 ng/ul | 21191 | 1,4-Dichlorobenzene-d4 | 7.967 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 53 |
| 2 | Oxetane, 2-ethyl-3-methyl- | 100 | C6H12O | 053778-62-4 | 25 |
| 3 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 25 |
| 4 | 2H-Pyran, tetrahydro-2-methyl- | 100 | C6H12O | 010141-72-7 | 25 |
| 5 | Methacrylamide | 85 | C4H7NO | 000079-39-0 | 9 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

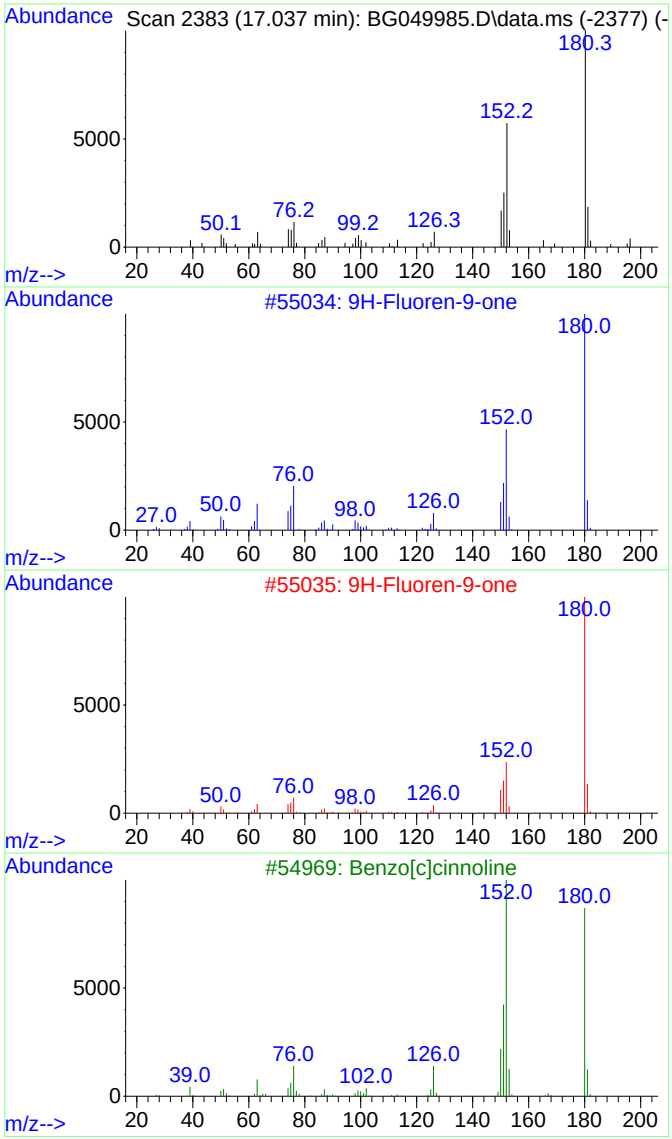
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

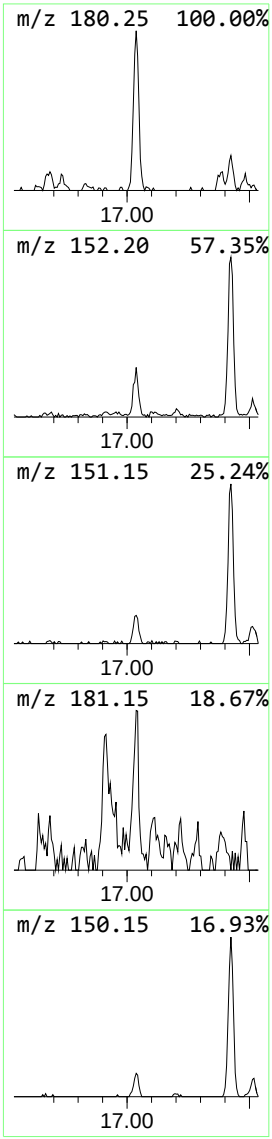
**********

Peak Number 2 9H-Fluoren-9-one Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.037 | 2.57 ng/ul | 57326 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 93 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 91 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 91 |
| 4 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |
| 5 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AW8

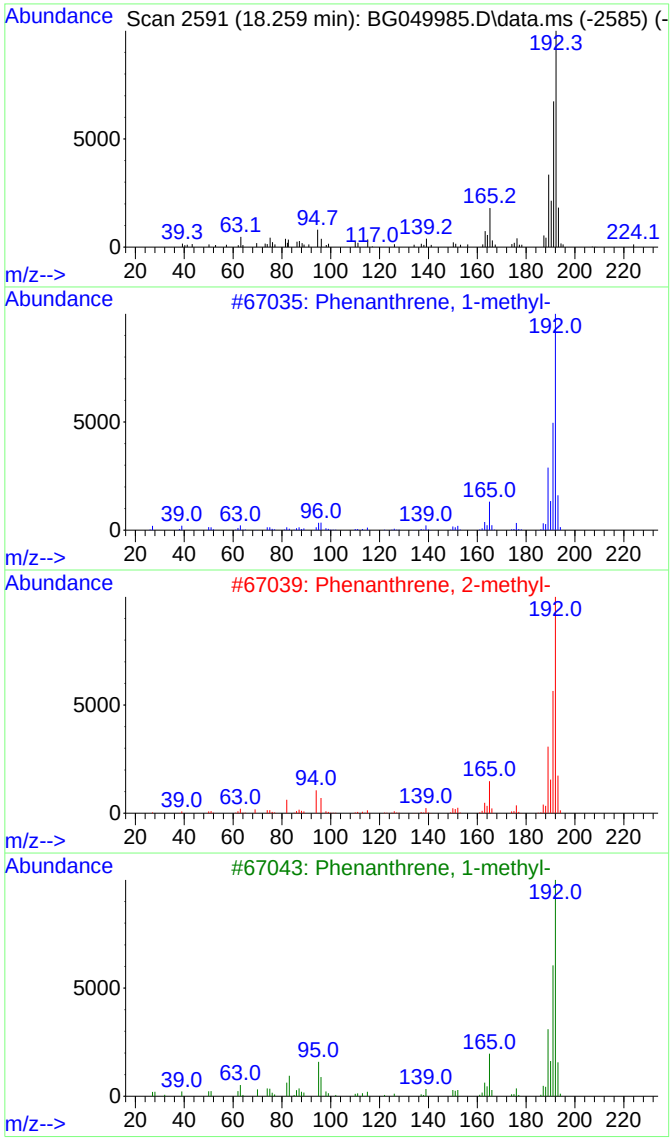
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

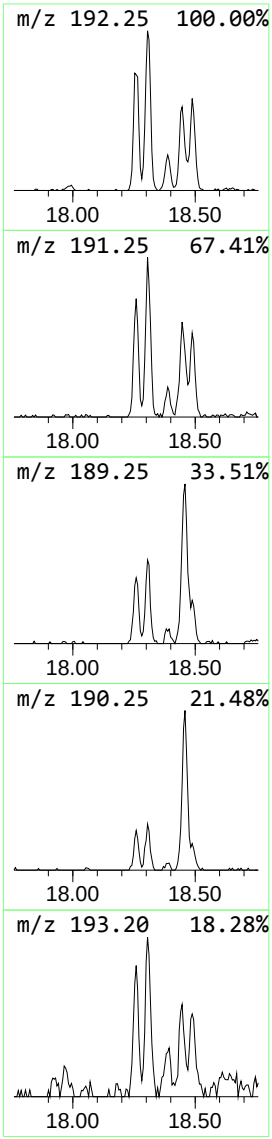
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.259 | 4.46 ng/ul | 99341 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 4 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 90 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

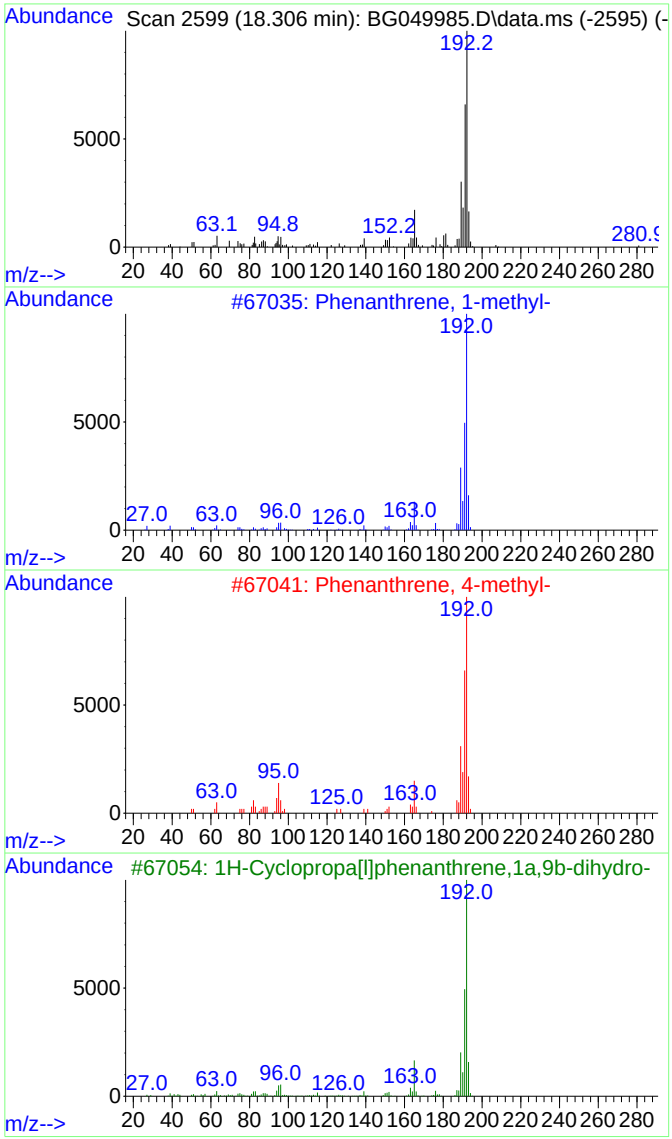
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

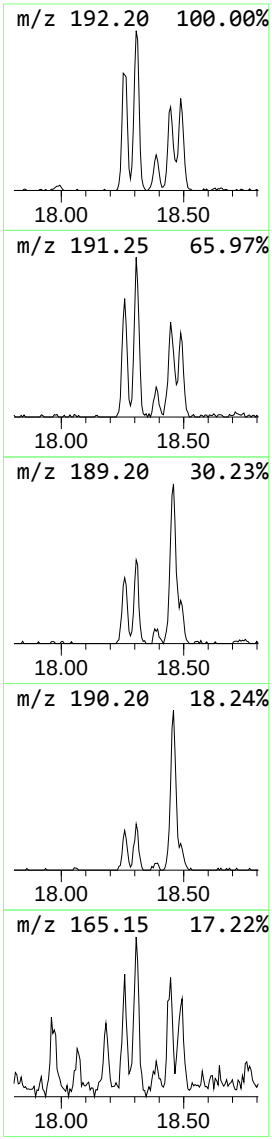
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.306 | 5.88 ng/ul | 130882 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 93 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 92 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

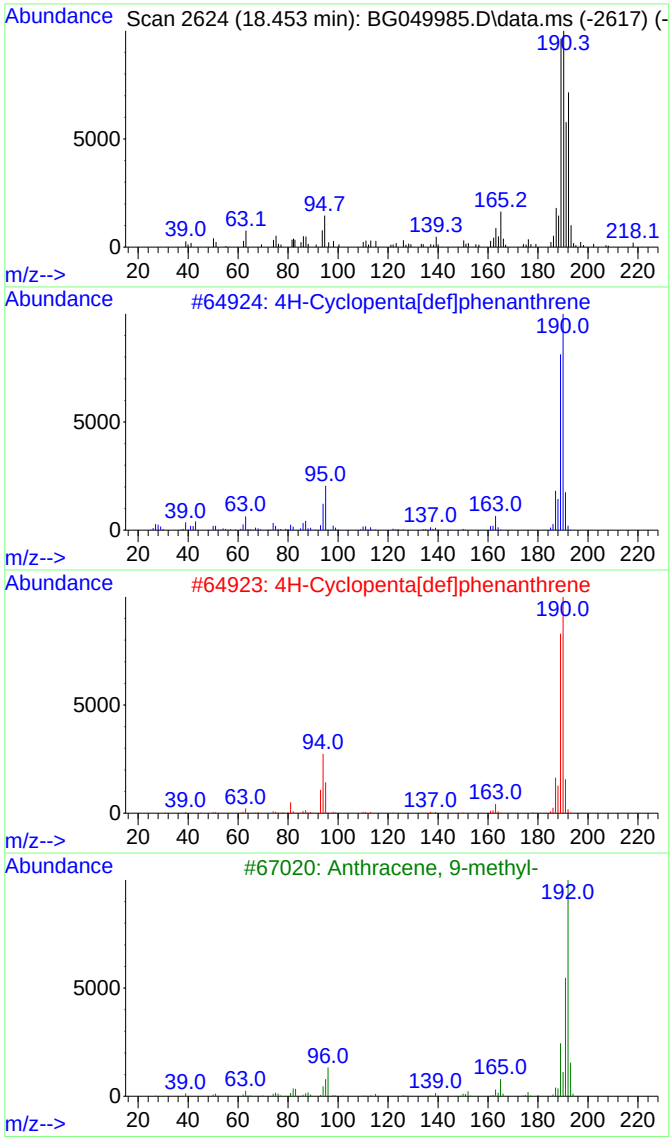
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

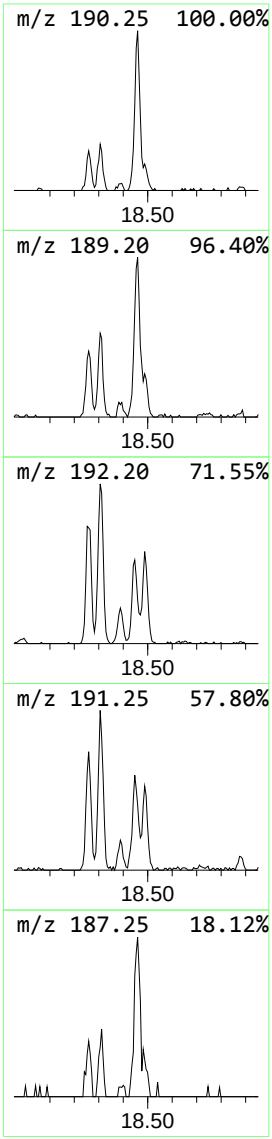
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.453 | 6.64 ng/ul | 147951 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 42 |
| 4 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 38 |
| 5 | 8,9-Dihydrocyclopenta[def]phenan... | 192 | C15H12 | 027410-55-5 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

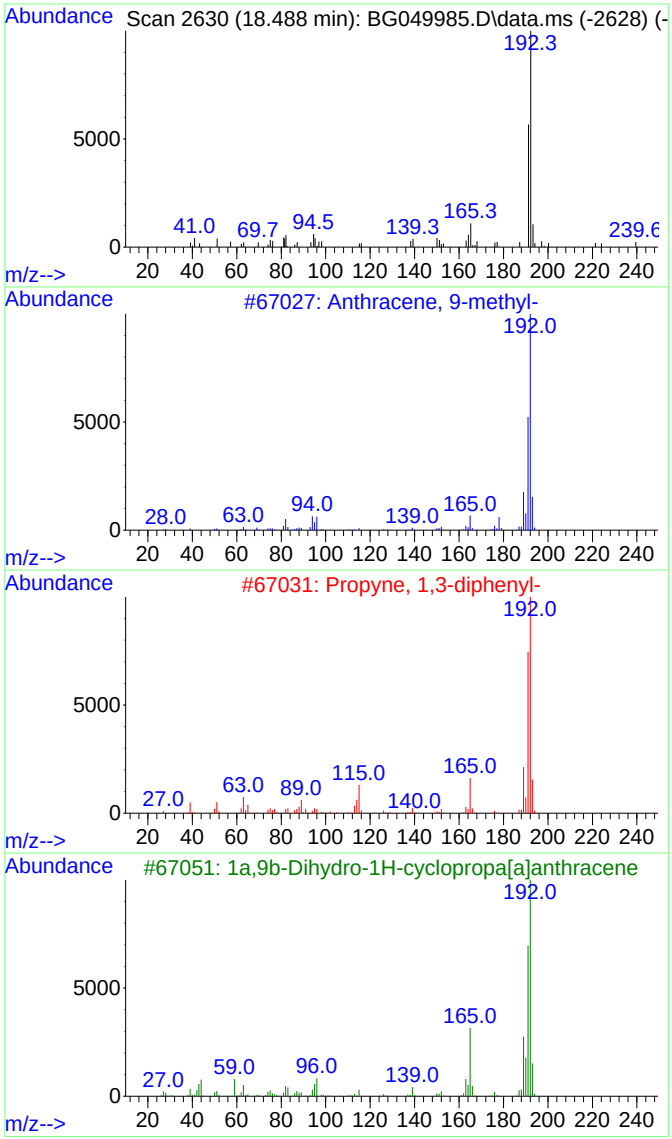
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

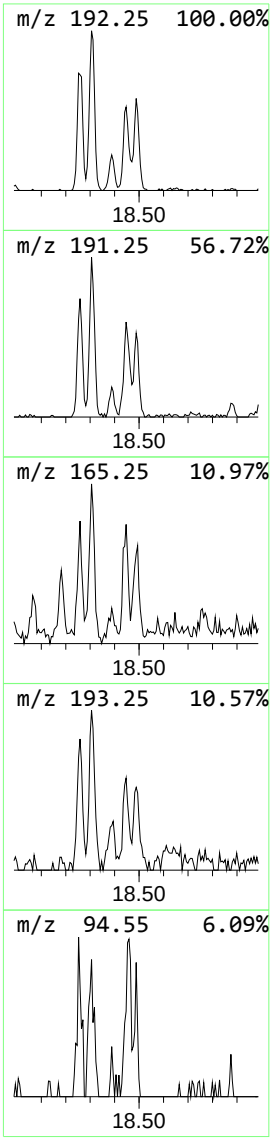
**********

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.488 | 2.86 ng/ul | 63580 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |
| 2 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 80 |
| 3 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 72 |
| 4 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 72 |
| 5 | 3,4-Methylenedioxycinnamic acid | 192 | C10H8O4 | 002373-80-0 | 64 |



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Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AW8

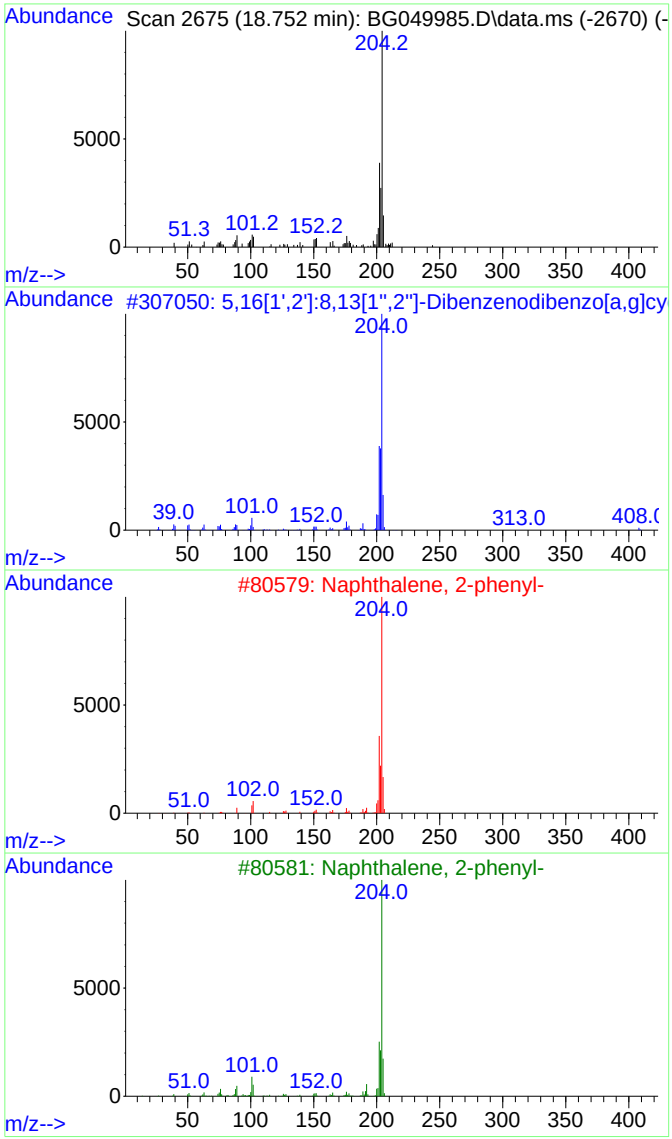
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

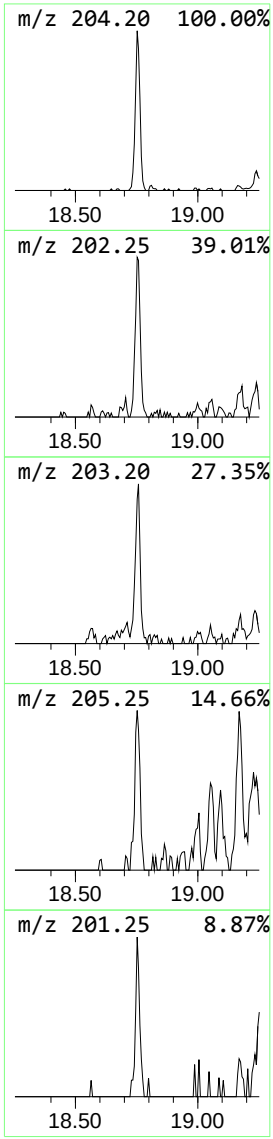
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.752 | 3.48 ng/ul | 77445 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 90 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 58 |



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Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

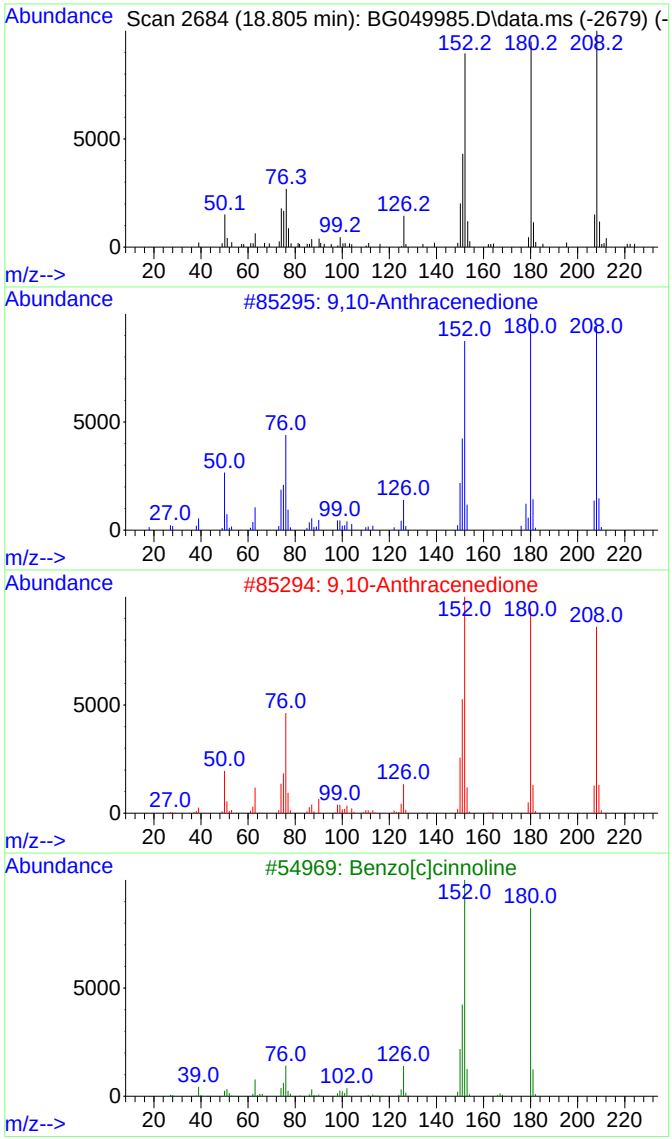
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

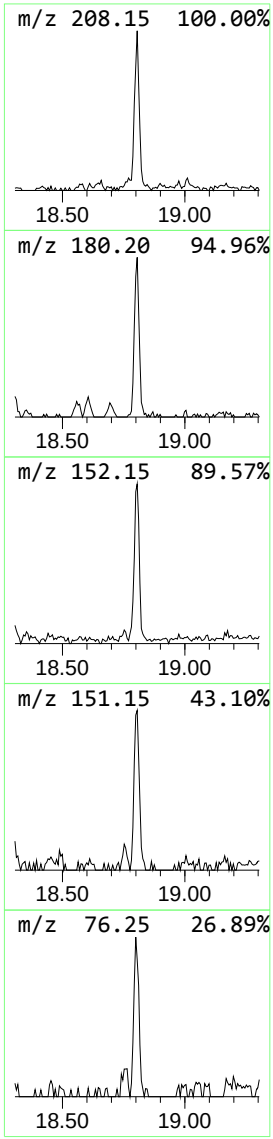
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 9,10-Anthracenedione Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.805 | 4.47 ng/ul | 99547 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 97 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 96 |
| 3 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 92 |
| 4 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 91 |
| 5 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 76 |



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Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

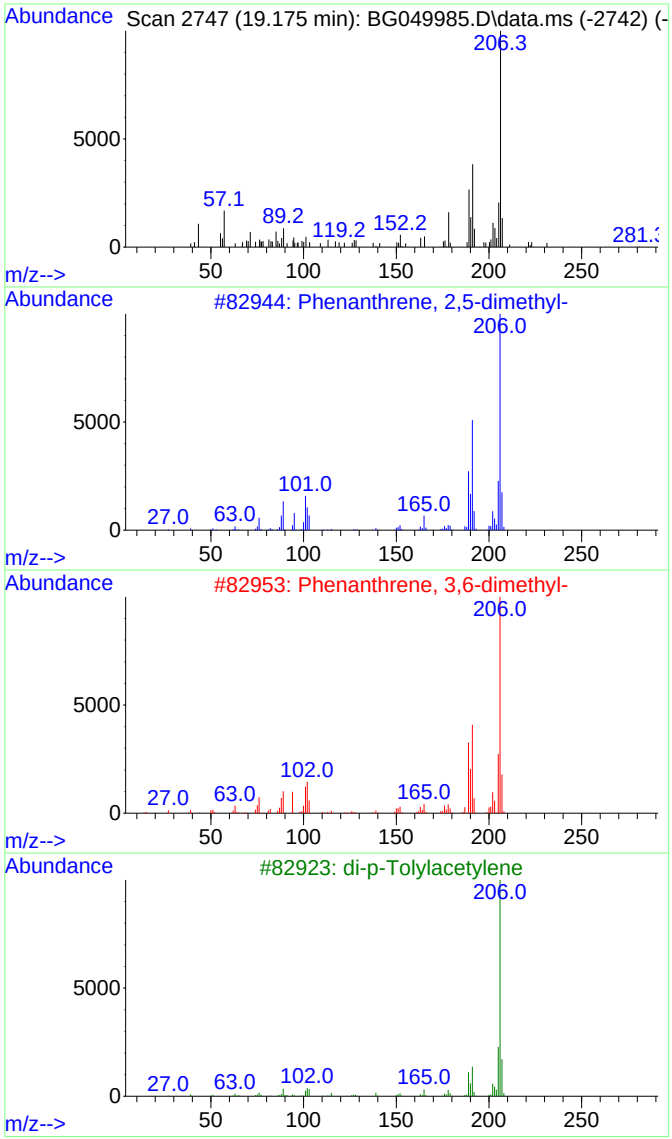
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

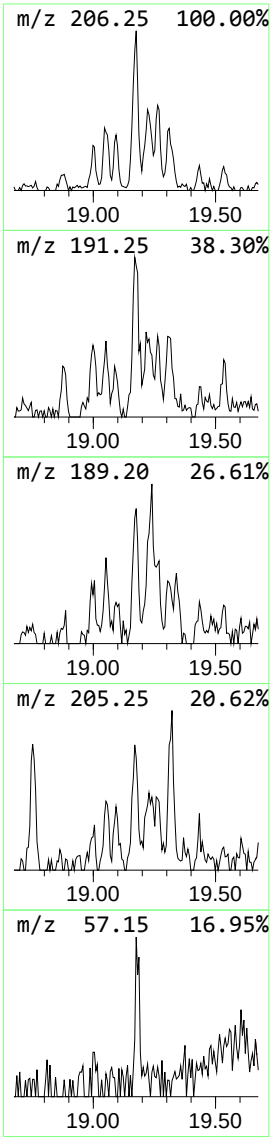
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.175 | 3.41 ng/ul | 76041 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 91 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 90 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 87 |
| 4 | 3,4-Dimethylphenanthrene | 206 | C16H14 | 1000452-24-5 | 87 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |



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Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

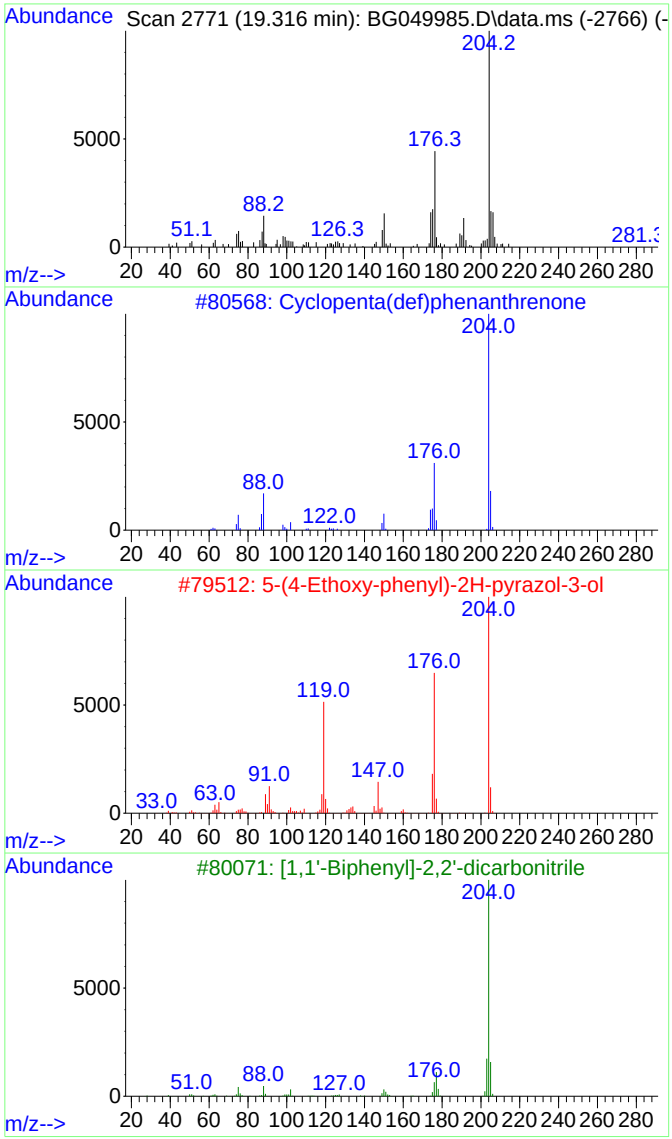
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

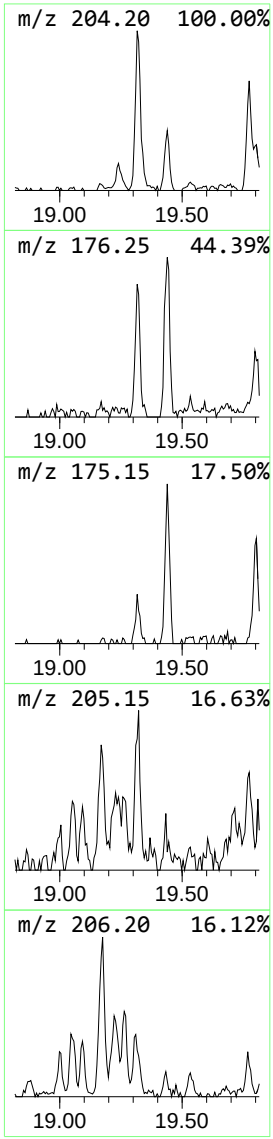
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.316 | 3.89 ng/ul | 86732 | Phenanthrene-d10 | 17.383 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 90 |
| 2 | 5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol | 204 | C11H12N2O2 | 1000278-26-8 | 53 |
| 3 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 47 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 43 |
| 5 | Tetracyano-p-quinodimethane | 204 | C12H4N4 | 001518-16-7 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

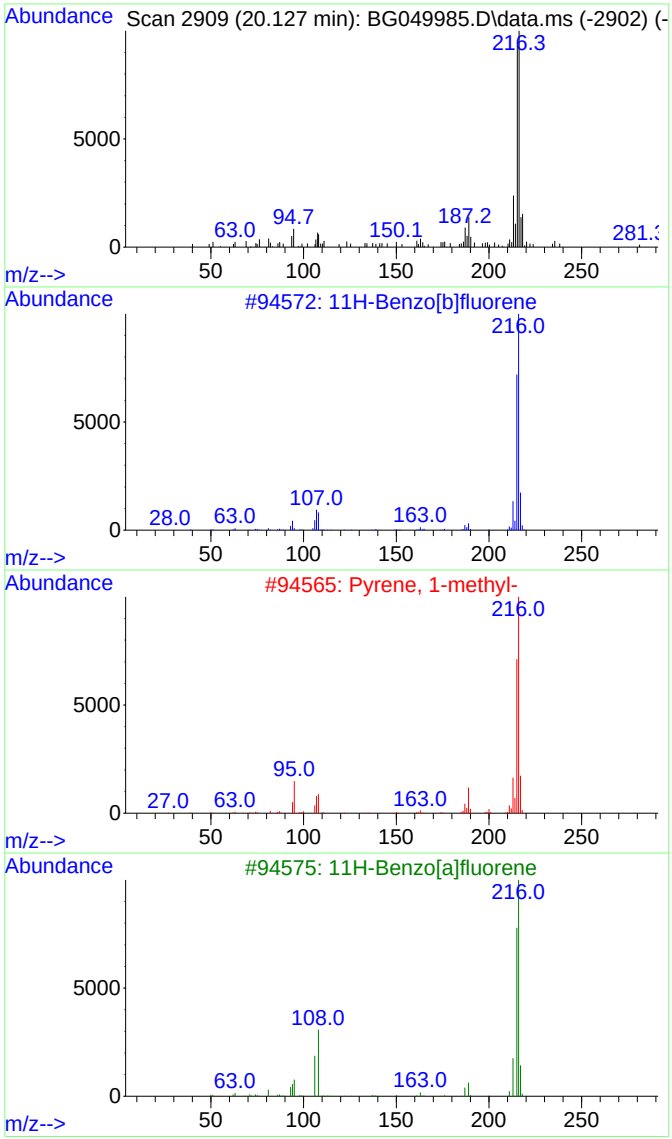
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

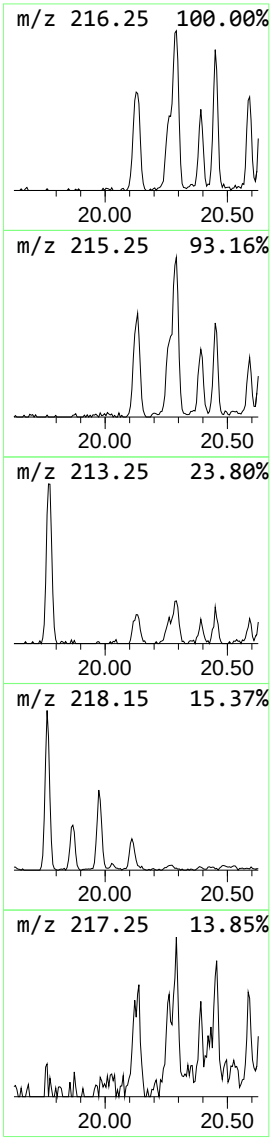
**********

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.127 | 2.57 ng/ul | 116154 | Chrysene-d12 | 21.654 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 94 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 74 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 72 |
| 5 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

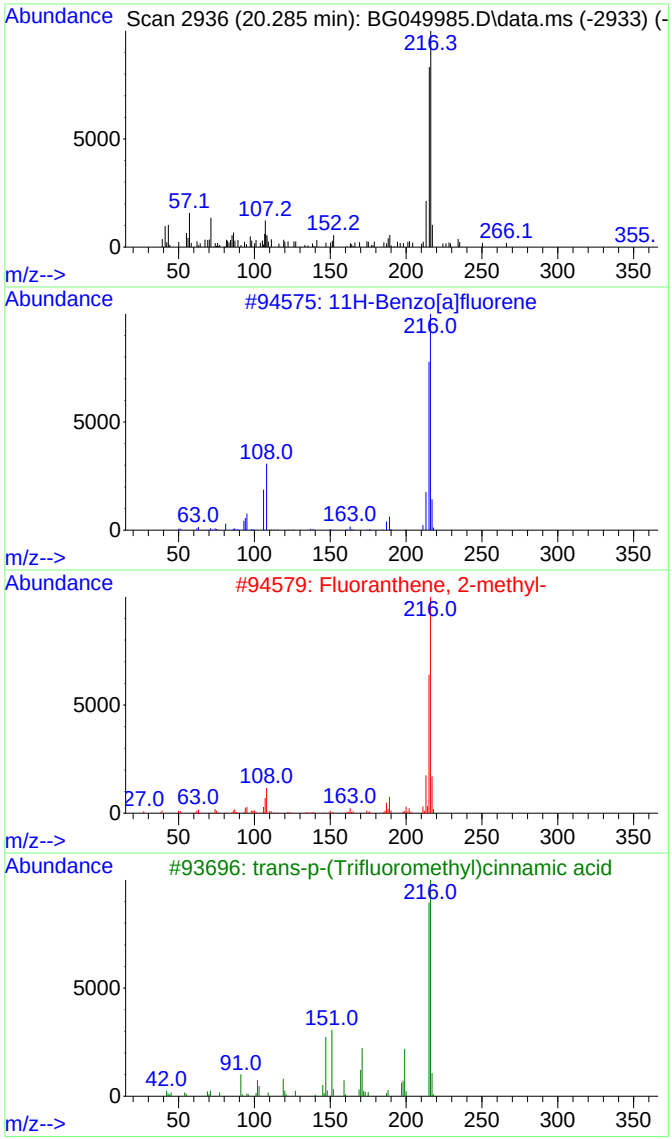
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

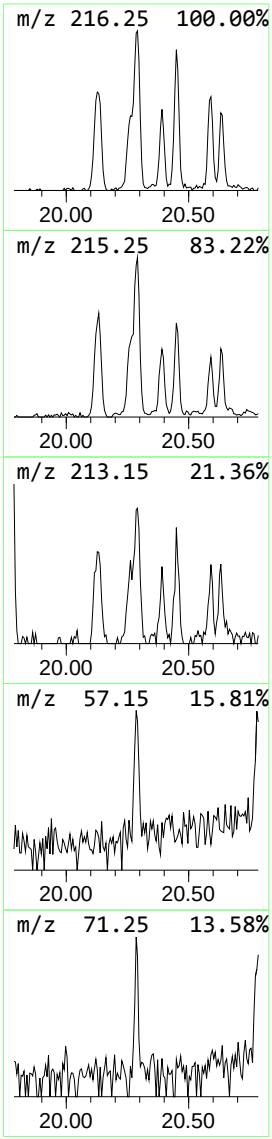
**********

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.285 | 2.54 ng/ul | 114840 | Chrysene-d12 | 21.654 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 72 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 59 |
| 3 | trans-p-(Trifluoromethyl)cinnami... | 216 | C10H7F3O2 | 016642-92-5 | 59 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 56 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 56 |



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Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

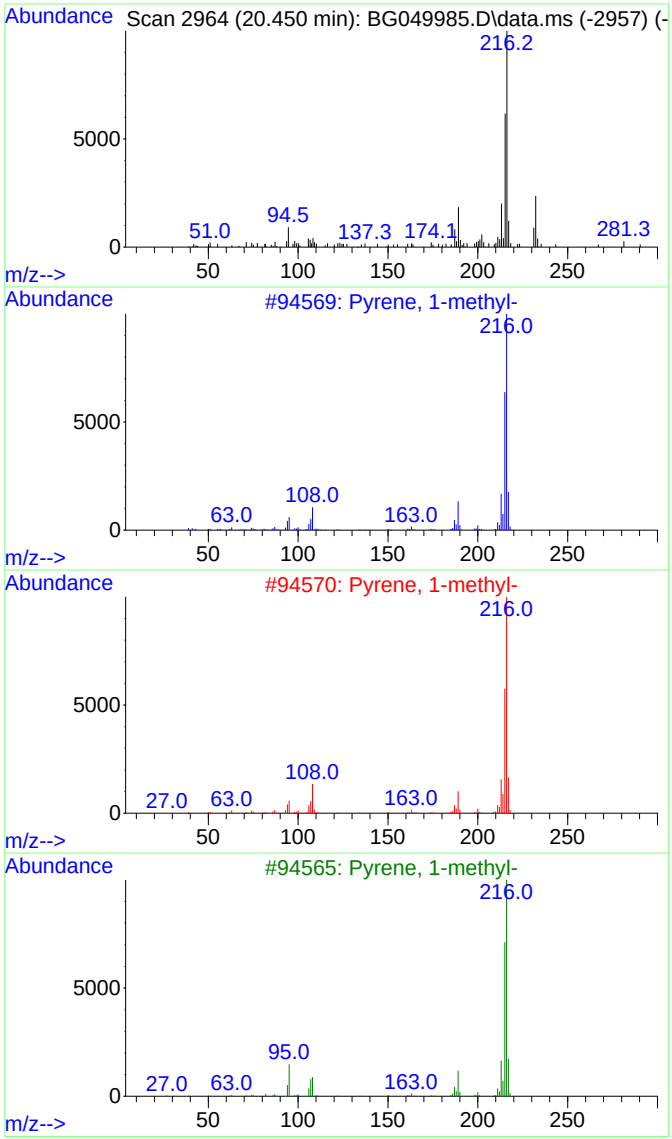
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

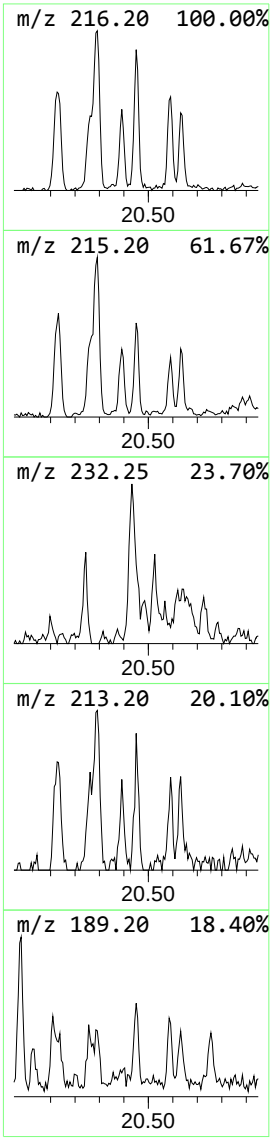
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.450 | 2.34 ng/ul | 105678 | Chrysene-d12 | 21.654 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 83 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 76 |
| 4 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 64 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

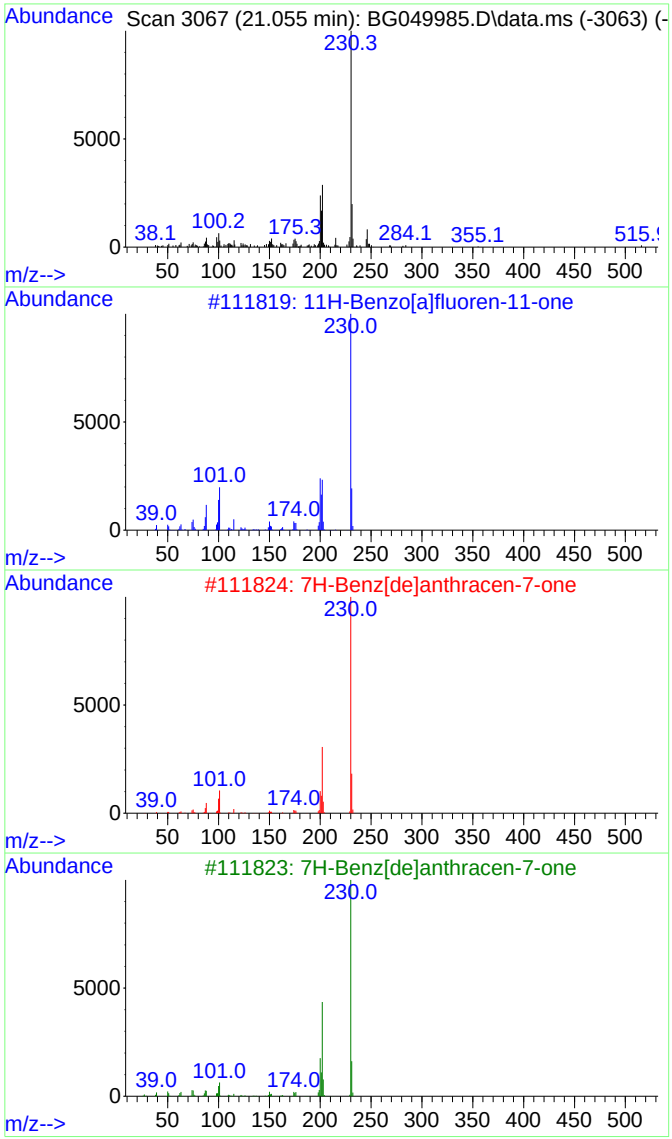
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

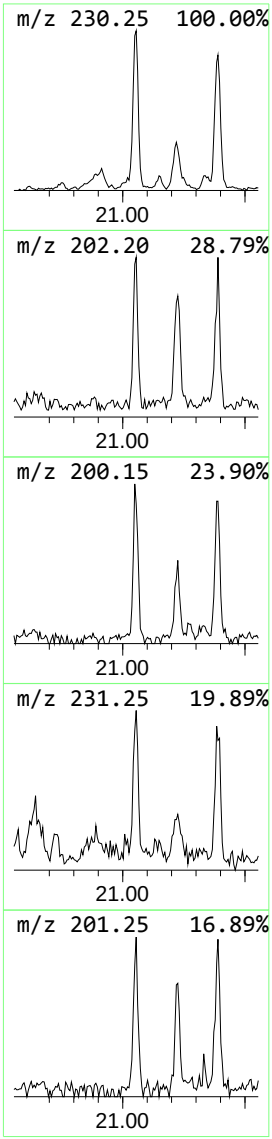
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.055 | 2.39 ng/ul | 108043 | Chrysene-d12 | 21.654 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 74 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 72 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

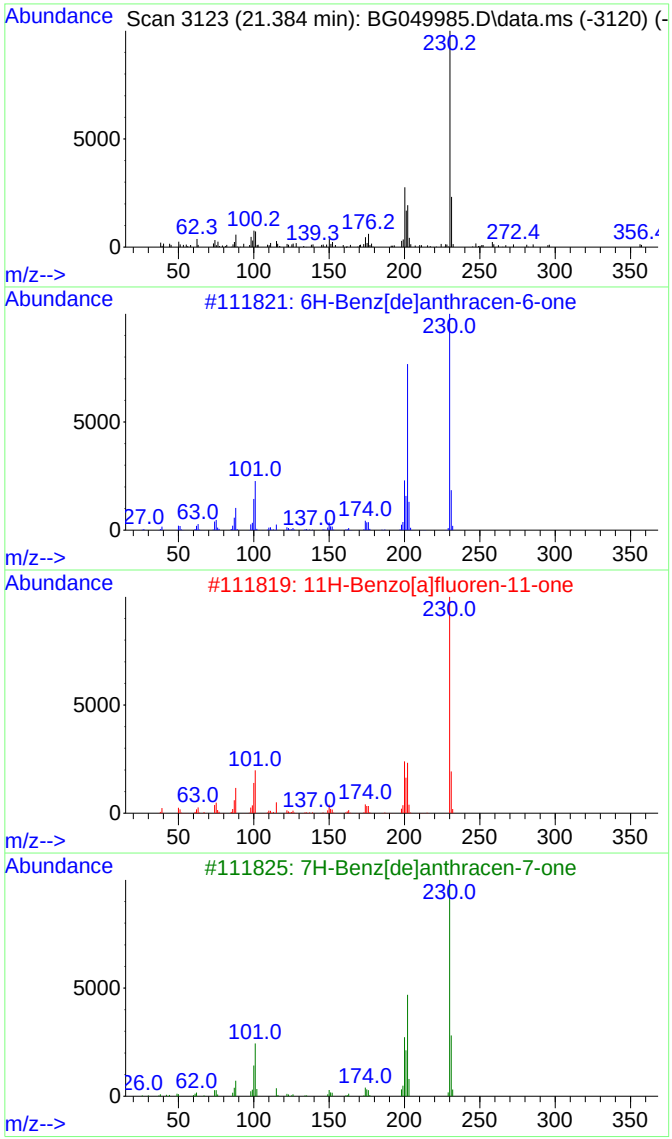
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

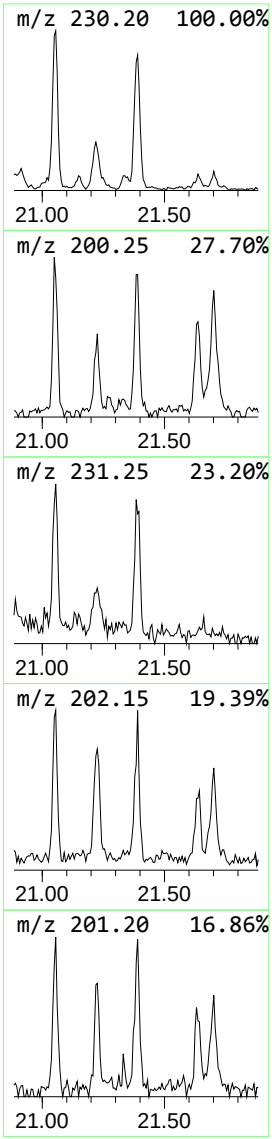
**********

Peak Number 15 6H-Benz[de]anthracen-6-one Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.384 | 2.72 ng/ul | 122866 | Chrysene-d12 | 21.654 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 81 |
| 2 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 72 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 64 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 62 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 58 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
Data File : BG049985.D
Acq On : 26 Aug 2021 21:37
Operator : CG/JU
Sample : M3458-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AW8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Methacrylamide | 3.872 | 2.0 | ng/ul | 21191 | 1 | 7.967 | 211503 | 20.0 |
| 9H-Fluoren-9-one | 17.037 | 2.6 | ng/ul | 57326 | 4 | 17.383 | 445388 | 20.0 |
| Phenanthrene, 1... | 18.259 | 4.5 | ng/ul | 99341 | 4 | 17.383 | 445388 | 20.0 |
| Phenanthrene, 4... | 18.306 | 5.9 | ng/ul | 130882 | 4 | 17.383 | 445388 | 20.0 |
| 4H-Cyclopenta[d... | 18.453 | 6.6 | ng/ul | 147951 | 4 | 17.383 | 445388 | 20.0 |
| Anthracene, 9-m... | 18.488 | 2.9 | ng/ul | 63580 | 4 | 17.383 | 445388 | 20.0 |
| 5,16[1',2']:8,1... | 18.752 | 3.5 | ng/ul | 77445 | 4 | 17.383 | 445388 | 20.0 |
| 9,10-Anthracene... | 18.805 | 4.5 | ng/ul | 99547 | 4 | 17.383 | 445388 | 20.0 |
| Phenanthrene, 2... | 19.175 | 3.4 | ng/ul | 76041 | 4 | 17.383 | 445388 | 20.0 |
| Cyclopenta(def)... | 19.316 | 3.9 | ng/ul | 86732 | 4 | 17.383 | 445388 | 20.0 |
| 11H-Benzo[b]flu... | 20.127 | 2.6 | ng/ul | 116154 | 5 | 21.654 | 903860 | 20.0 |
| 11H-Benzo[a]flu... | 20.285 | 2.5 | ng/ul | 114840 | 5 | 21.654 | 903860 | 20.0 |
| Pyrene, 1-methyl- | 20.450 | 2.3 | ng/ul | 105678 | 5 | 21.654 | 903860 | 20.0 |
| 11H-Benzo[a]flu... | 21.055 | 2.4 | ng/ul | 108043 | 5 | 21.654 | 903860 | 20.0 |
| 6H-Benz[de]anth... | 21.384 | 2.7 | ng/ul | 122866 | 5 | 21.654 | 903860 | 20.0 |